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**VERSION DESCRIPTION DOCUMENT
FOR THE
GRIS CSCI v2.3.2**

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1 SCOPE

1.1 IDENTIFICATION

This Version Description Document (VDD) identifies and describes the submission of the Global Reconnaissance Information System (GRIS) Computer Software Configuration Item (CSCI) Version 2.3.2. (The last delivery of GRIS was v2.3 on 21 August 1996. On _____, the Operations Support Facility (OSF) made a patch change and identified the change as GRIS v2.3.0.1. So as not to cause confusion, between the current v2.3.0.1, and the next scheduled version which would have been v2.3.1, this version is identified as v2.3.2.)

1.2 SYSTEM OVERVIEW

The Global Reconnaissance Information System (GRIS) is a Joint Mission Application Software (JMAS) segment, within the Global Command and Control System (GCCS) domain for the Department of Defense. Under the program sponsorship of the Defense Information Systems Agency (DISA), Center For Applications Engineering, Command and Control Applications Department (JEKE) it is used by the Joint Reconnaissance Centers (JRCs) at designated Unified Commander-In-Chief (CINC) sites. GRIS provides automated support in planning, scheduling, reporting, and monitoring reconnaissance activities under the Sensitive Reconnaissance Operations (SRO) program in accordance with Enclosure (C) (Reconnaissance Reporting Instructions) of Chairman Joint Chiefs of Staff Instruction (CJCSI) 3250.01 (Series) - Policy Guidance For Sensitive Airborne and Maritime Surface Reconnaissance Operations.

GRIS maintains a near real-time status of all SRO missions and provides immediate on-line retrieval of mission, track, and message data. To accomplish this, GRIS provides automated real-time capture and processing of Reconnaissance Information Processing System (RIPS) format messages, and maintains a mission and track database containing schedule and resultant information. GRIS generates and releases outgoing SRO messages to the Automated Digital Network (AUTODIN) and provides on-line query and report capabilities detailing message, mission status, and scheduling information. It is used to maintain current Track Dictionary data and to generate the master copy of each new dictionary or set of change pages. GRIS has an external interface with the GCCS Automated Message Handling System (AMHS).

GRIS is installed at the National Military Command Center (NMCC) for the Joint Staff, U.S. Atlantic Command (ACOM), U.S. Central Command (CENTCOM), U.S. European Command (EUCOM), U.S. Pacific Command (PACOM), and at the U.S. Southern Command (SOUTHCOM). Each installation is operated independently, with information passed between GRIS sites and other participating organizations using RECON 1/2/3/4 format messages via AUTODIN.

1.3 DOCUMENT OVERVIEW

This document contains information on the changes in the GRIS CSCI v2.3.2 release. Section 1 provides a system identification and overview, and an overview of this document. Section 2 contains a list of documents referenced in this report. Section 3 defines the version of GRIS and identifies changes made since the previous release. Section 4 provides a glossary and list of acronyms.

2 REFERENCED DOCUMENTS

2.1 GOVERNMENT DOCUMENTS

- a. Specifications
None
- b. Standards
None
- c. Other Publications
 - 1. Data Item Description, Version Description Document, DI-MCCR-80013A, Approval date 880229.

2.2 NON-GOVERNMENT DOCUMENTS

- a. Specifications
None
- b. Standards
None
- c. Other Publications
 - 1. System Administrator Manual (SAM) for GRIS v2.3.2 , Rev.: -, Dated 28 January 1997.

3 VERSION DESCRIPTION

3.1 INVENTORY OF MATERIALS RELEASED

3.1.1 Physical Media

The GRIS CSCI v2.3.2 is delivered on 8mm tape. The tape was created on 28 January 1997 on a SUN Sparc 10 using the SUN SOLARIS 2.3 Operating System (OS). The tape was created using the tar relative '.' pathing method with the command "tar cvs GRIS". The software is unclassified. Only the runtime environment is delivered.

3.1.2 Associated Documentation

This VDD accompanies the GRIS v2.3.2 delivery. In addition, a System Administration Manual (SAM).

3.1.3 Non-Delivered Documents

None

3.2 INVENTORY OF CSCI CONTENTS

Only the run-time files delivered with the GRIS 2.3.2 segment. The software is composed of Data files, and Executables and COE files.

Scripts	SegDescrip	data
help	progs	uid
GRIS_info.csh	./Scripts:	GRIS_ask.csh
check_oracle	GRIS_warn.csh	amhs
initialize	elaboration_message	fixit
pro_inc	out_msg	patch_trans
run_application	rrprint	run_amp
run_mission_monitor	run_gris	run_load_data
terminate	run_status_log_monitor	set_up_global_area
./SegDescrip:	update_config_file	
DEINSTALL	Comm.deinstall	Community
ModName	Hardware	Menus
ReleaseNotes	PostInstall	PreInstall
VERSION	Security	SegType
./data:	Validated	
global	MASTER	Profiles
pixmaps	local	menus
./data/Profiles:	prefs	
Profiles.GRIS	LaunchDesc.GRIS	LaunchList.GRIS
amp	archive	./data/global:
enum	gris	char
imac	missions	help
values		tracks
LOG_INIT	amp_cron	./data/global/amp:
amp_ready_flag	holding_bin	amp_failure_msg
recons		mhtn
1971	./data/global/archive:	./data/global/amp/holding_bin:
1974	1970	1970
1977	1972	1973
1980	1975	1976
1983	1978	1979
1986	1981	1982
1989	1984	1985
1992	1987	1988
1995	1990	1991
1998	1993	1994
2001	1996	1997
2004	1999	2000
2007	2002	2003
	2005	2006
	2008	2009
./data/global/archive/1971:	./data/global/archive/1970:	
./data/global/archive/1974:	./data/global/archive/1973:	./data/global/archive/1972:
./data/global/archive/1977:	./data/global/archive/1976:	./data/global/archive/1975:
./data/global/archive/1980:	./data/global/archive/1979:	./data/global/archive/1978:
	./data/global/archive/1982:	./data/global/archive/1981:

./data/global/archive/1983:		./data/global/archive/1984:
./data/global/archive/1986:	./data/global/archive/1985:	./data/global/archive/1987:
./data/global/archive/1989:	./data/global/archive/1988:	./data/global/archive/1990:
./data/global/archive/1992:	./data/global/archive/1991:	./data/global/archive/1993:
./data/global/archive/1995:	./data/global/archive/1994:	./data/global/archive/1996:
./data/global/archive/1998:	./data/global/archive/1997:	./data/global/archive/1999:
./data/global/archive/2001:	./data/global/archive/2000:	./data/global/archive/2002:
./data/global/archive/2004:	./data/global/archive/2003:	./data/global/archive/2005:
./data/global/archive/2007:	./data/global/archive/2006:	./data/global/archive/2008:
	./data/global/archive/2009:	
./data/global/char:	all	alpha
alpha_numeric	alpha_numeric_slash	numeric
numeric_period	printable	upper_alpha
upper_alpha_numeric	upper_alpha_numeric_hyphen	upper_alpha_numeric_nul
upper_alpha_numeric_nul_hyphen	upper_alpha_numeric_slash	upper_alpha_numeric_space
upper_alpha_numeric_space_hyphen		/data/global/enum:
classification	destination	orientation
user	buffer	/data/global/gris:
breaks	Code_Detail	password
serial	Code_Index	/data/global/help:
Addressee_Detail	Code_Query	Code_Geographic_Area_Code_Index
Code_Icao_Code_Index	Error_Message	Code_Program_Code_Index
Code_Purpose_Code_Index	Incoming_Message_Detail	Code_Track_Code_Index
Databases	Incoming_Message_Detail_1.DON	Finder_Query
General	Incoming_Message_Detail_2.DON	Incoming_Message_Detail_1.JEFF
Incoming_Message_Detail_1.BILL	Incoming_Message_Query	Incoming_Message_Detail_2.JEFF
Incoming_Message_Detail_2.BILL	Message_Lock_Detail	Maintenance_Index
Incoming_Message_Index	Misc	Message_Lock_Query
Maintenance_Query	Mission_Graph	Mission_Cancellation_Query
Messages	Mission_Query	Mission_History_Index
Mission_Detail	Mission_Report	Mission_Recap_Query
Mission_Index	Monitor	Mission_Report.dml
Mission_Recap_Report	Nickname_Detail	Monitors
Mission_Report.ovv	Outgoing_Message_Query	Nickname_Index
News	Status_Log_Index	Password_Detail
Outgoing_Message_Detail	Track_Detail	System
Print	Track_Dictionary_Report	Track_Dictionary_Index
Text_Detail	Track_Index	Track_Event_Detail
Track_Dictionary_Query	Track_Query	Track_Orbit_Detail
Track_Event_Index		Track_Report
Track_Orbit_Index		/data/global/imac:
Track_Track_Code_Index		status_result
./data/global/values:	./data/global/missions:	config.exceptions
message	./data/global/tracks:	./data/local:
LOG_INIT	config	
./data/local/print:	print	./data/menus:
Menu.GRIS		./data/pixmaps:
gris.img	GRIS	./data/prefs:
BREAK		MONITOR
STATUS		./help:

Addressee_Detail	Code_Detail	Code_Geographic_Area_Code_Index
Code_Icao_Code_Index	Code_Index	Code_Program_Code_Index
Code_Purpose_Code_Index	Code_Query	Code_Track_Code_Index
Databases	Error_Message	Finder_Query
General	Incoming_Message_Detail	Incoming_Message_Detail_1
Incoming_Message_Index	Incoming_Message_Query	Maintenance_Index
Maintenance_Query	Message_Lock_Detail	Message_Lock_Query
Messages	Misc	Mission_Cancellation_Query
Mission_Detail	Mission_Graph	Mission_History_Index
Mission_Index	Mission_Query	Mission_Recap_Query
Mission_Recap_Report	Mission_Report	Mission_Report.dml
Mission_Report.ovv	Monitor	Monitors
News	Nickname_Detail	Nickname_Index
Outgoing_Message_Detail	Outgoing_Message_Query	Password_Detail
Print	Status_Log_Index	System
Text_Detail	Track_Detail	Track_Dictionary_Index
Track_Dictionary_Query	Track_Dictionary_Report	Track_Event_Detail
Track_Event_Index	Track_Index	Track_Orbit_Detail
Track_Orbit_Index	Track_Query	Track_Report
Track_Track_Code_Index		./progs:
GRIS_amp	GRIS_break_driver	GRIS_driver
GRIS_load_data	GRIS_mission_monitor_driver	GRIS_mparter
GRIS_preamp	GRIS_status_driver	GRIS_status_log_monitor_driver
GRIS_update	run_gris	
/uid:	break_uil.uid	gris_uil.uid
mission_monitor.uid	status_log_monitor.uid	status_uil.uid

3.3 CLASS I CHANGES INSTALLED

No Class I changes were installed in this release.

3.4 CLASS II CHANGES INSTALLED

GRIS v2.3.2 provides enhancements and fixes requested by GRIS end users, authorized by the Joint Staff (J38) Reconnaissance Operations Directorate (ROD), and directed by DISA's Center For Application Engineering, Command and Control Applications Department (JEKE) 5600 Columbia Pike, Falls Church VA..

3.5 ADAPTAION DATA

No changes were made to the site-unique data.

3.6 INTERFACE CAPABILITY

GRIS contains three external interface requirements (XIF-010 through XIF-030) as specified in the GRIS System/Segment Specification (SSS) CDRL A010, Rev.: Final, dated 28 April 1995. The changes from 2.3 to 2.3.2 do not affect the GCCS AMHS for GRIS. As such, PRC believes that JITC re-testing of the GRIS CSCI for AMHS certification is not required.

3.7 BIBLIOGRAPHY OF REFERENCE DOCUMENTS

GRIS v2.3.2 is delivered with this VDD. Two other support documents exist- the Software Users Manual (SUM) and System Administrators Manual (SAM) - are being delivered along with the GRIS CSCI v3.2.2 and this VDD.

3.8 SUMMARY OF CHANGES

CHANGES TO GRIS V2.3 SINCE V2.2.11

1. Added Track Date to the loader. Fixed format of Closest Point Of Approach and Track Orbit Number. Expanded line length, which was getting improperly truncated.
2. Made archiving a single-user operation.
3. Fixed problem with multiple break messages popping up.
4. Made it possible to reprocess a retransmitted message (should you ever want to do so).
5. Made it possible for different users to pick up each other's changes to the code tables.
6. Changed detail screens to leave the Cancel button selectable at all times, so that the user can exit out at any time.
7. Fixed outgoing messages to replace the date for the string DDHHMM.
8. Changed monitors to separate executables, so that more than one could be run at a time.
9. Made it possible to run GRIS with no user config file.
10. Fixed Mission Overview for non-PACOM missions.
11. Added environment variable \$ORACLE_PASSWORD to allow conversion from old database to Oracle to be a one-step process
12. Made Area Time optional for a Recon 2 Change message.
13. Made attribute widths in code tables configurable.
14. Added code in AMP to disallow crossing month boundaries in messages subsequent to Schedule messages.
15. Removed DECL from Addressee Detail screen and put in config file.
16. Added jumps to code tables from Nickname, Message, Mission, and Track Detail screens.
17. Added to/info Addressee intermediate queries to Addressee Detail screen.
18. Added query menu for Track Report.
19. Changed AMP to catch formatting errors in 1MSNDATA set.
20. Changed AMP to set the reason field for all missions in a message, not just the first one.
21. Changed handling of new codes so they will be visible immediately. Not doing that caused errors when moving from the index back to the detail

screen.

22. Centered the break popup window.
23. Added banners to reports to record the selections used to create them.
24. Changed AMP to replace control characters with spaces.
25. Added a different color warning screen (with a different message) for selection of Initialize from the Database Maintenance window.
26. Added titles to intermediate queries.
27. Enhanced the performance of index screen retrievals.
28. Fixed deselection of items in Status Log Index when a message is corrected.

Changes to GRIS v2.3.2 since v2.3

1. Fixed takeoff and landing times in database converter program (they were erroneously the same).
2. Made mission staus-result transitions configurable. File is amp/staus_result.
3. Explicitly set foreground to black in status window.
4. Fixed SPLDATA remarks in SRO reports.
5. Changed AMP to remove extra lines between classification and MSGID lines.
6. Changed AMP to ignore embedded slashes in the originator field.
7. Changed AMP to append // to the end of any set that is not terminated by//.
8. Changed message transmission to sectionalize messages that are too long into PARTs rather than SECTIONs.
9. Changed AMP to add CMTS to track remarks.
10. Fixed Reason-Cause display in Mission Detail.
11. Fixed searching algorithm for QRC missions to retrieve only missions with no ETD.
12. Added log off call to AMP.
13. Removed unused (i.e. dimmed) items from main menu.
14. Fixed sorting by codes (viz. Geo_Area, ICAO, Program, and Purpose).
15. Changed so that you can search by period for different time zones.
16. Fixed problem with adding new codes: the old codes were not getting cleared out of the index display.
17. Fixed searching by range with a null lower or upper bound.

3.9 INSTALLATION INSTRUCTIONS

See the System Administrators Manual for installation instructions. Previously, Installation Instructions (II) had been delivered as a separate document. With the delivery of GRIS v2.3, on 21 August 1996, a System Admin Manual (SAM) was submitted as a replacement to the II. The SAM has been updated for this delivery of GRIS v2.3.2.

3.10 POSSIBLE PROBLEMS AND KNOWN ERRORS

NONE

4 NOTES

4.1 GLOSSARY

4.2 ACRONYMS

ACOM	U.S Atlantic Command
AMHS	Automated Message Handling System
AUTODIN	Automated Digital Network
CDRL	Contract Data Requirement List
CENTCOM	U.S. Central Command
CM	Configuration Management
COE	Common Operating Environment
CSCI	Computer Software Configuration Item
DISA	Defense Information Systems Agency
EUROCOM	U.S. European Command
GCCS	Global Command and Control System
GRIS	Global Reconnaissance Information System
JMAS	Joint Mission Application System
JRC	Joint Reconnaissance Center
KPL	Known Problems List
OS	Operating System
PACOM	U.S. Pacific Command
RIPS	Reconnaissance Information Processing System
ROD	Reconnaissance Operations Division
SOUTHCOM	U.S. Southern Command
SPAWAR	Space and Naval Warfare Systems Command
SRO	Sensitive Reconnaissance Operations
SRS	Software Requirement Specifications
SUM	Software Users Manual
VDD	Version Description Document